

CLAIMS:

Sub A1
1. A colored building board comprising:
front and back layers of high density, whose main components are a wood material(s) and a self-curing inorganic material(s); and
a core layer of lower density compared with said front and back layers, whose main components are a wood material(s) and a self-curing inorganic material(s);
wherein at least said front layer among said front and back layers contains a pigment(s) and a resin(s), or a pigment(s) and a water-resistant additive(s).

✓ 2. The colored building board according to claim 1, wherein said resin(s) is a resin(s) used for mixing with cement.

3. The colored building board according to claim 1, wherein said water-resistant additive(s) contains at least one of the materials selected from the group consisting of stearate, calcium acrylate, ammonium oleate, asphalt, paraffin, hydroxyethyl cellulose and maleic acid.

Sub A2
4. A colored building board comprising:
front and back layers of high density, whose main components are a wood material(s) and a self-curing inorganic material(s); and
a core layer of lower density compared with said front and back layers, whose main components are a wood material(s) and a self-curing inorganic material(s);

wherein at least said front layer among said front and back layers contains a pigment(s) and has a resin film on the surface thereof.

5. The colored building board according to claim 4, wherein said resin film is a resin(s) used for mixing with cement.

6. A colored building board comprising:

front and back layers of high density, whose main components are a wood material(s) and a self-curing inorganic material(s); and a core layer of lower density compared with said front and back layers, whose main components are a wood material(s) and a self-curing inorganic material(s);

wherein at least said front layer among said front and back layers contains a pigment(s) and an anti-efflorescence agent(s).

7. The colored building board according to claim 6, wherein said anti-efflorescence agent(s) contains at least one of the materials selected from the group consisting of fluoride, carbonate, polyaminocarboxylic acid and maleic acid.

8. A manufacturing method for manufacturing a colored building board by dry forming process, wherein a pigment(s) and a resin(s) are incorporated into at least said front layer among said front and back layers to form a resin film simultaneously with cement curing.

9. A manufacturing method for manufacturing a colored building board by dry forming process, wherein a pigment(s) and a water-resistant additive(s) are incorporated into at least said front layer among said front and back layers to provide a water-resistant property simultaneously with cement curing.

10. A manufacturing method for manufacturing a colored building board according to claim 9, wherein said water-resistant additive(s) contains at least one of the materials selected from the group consisting of stearate, calcium acrylate, ammonium oleate, asphalt emulsion, paraffin emulsion, hydroxyethyl cellulose and maleic acid.

11. A manufacturing method for manufacturing a colored building board by dry forming process, wherein a pigment(s) is incorporated into at least said front layer among said front and back layers, and

a resin(s) is coated on a molding board to form a resin film on the surface of said colored building board simultaneously with cement curing.

12. A manufacturing method for manufacturing a colored building board by dry forming process, wherein a pigment(s) is incorporated into at least said front layer among said front and back layers, and a resin film is coated on the surface of cured cement board, and after forming said resin film, said cured cement board being subjected to an autoclave maturing process.

13. A manufacturing method for manufacturing a colored building board according to claim 8, wherein said resin is resin emulsion for mixing with cement.

14. A manufacturing method for manufacturing a colored building board according to claim 11, wherein said resin is resin emulsion for mixing with cement.

15. A manufacturing method for manufacturing a colored building board according to claim 12, wherein said resin is resin emulsion for mixing with cement.

16. A manufacturing method for manufacturing a colored building board by dry forming process, wherein a pigment(s) and an anti-efflorescence agent(s) are incorporated into at least said front layer among said front and back layers to produce insoluble salts.

17. A manufacturing method for manufacturing a colored building board according to claim 16, wherein said anti-efflorescence agent(s) contains at least one of the materials selected from the group consisting of fluoride, carbonate, polyaminocarboxylic acid and maleic acid.

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